See 8-amino-1-naphthol-5,7-disulfonic i acid. See anthraquinone-1,8-disulfonic acid. were twants for remoticed plastics. icago acid.

from the latex of the sapodilla tree native to Mexico and Central America. Softens at 90°F. Insoluble in vater; soluble in most organic solvents. Chief use is thermoplastic, gumlike substance obtained is chewing gum, after incorporation of sugar and pecific flavoring. Nontoxic, but ingestion should be

lean nitrate. See sodium nitrate.

lean saltpeter. See sodium nitrate.

na bark. See quillaja. See kaolin.

nese bean oil. See soybean oil. na-wood oil. See tung oil.

nese blue. See iron blues.

nese cinnamon oil. See cassia oil

iese isinglass. See agar. rese gelatin. See agar.

iese rhubarb. See rhubarb.

iese wax (insect wax; Chinese tree wax; vegetable

lorless and tasteless. Soluble in alcohol, chloro-rm, benzene, and naphtha. Insoluble in water. Sp. . 0.970; m.p. 80-83°C. Combustible. ermaceti), perties: White to yellowish-white solid; nearly

ef constituent; Ceryl cerotate.

ie wax is deposited on the branches of trees and is noved by hand and melted in boiling water to reivation: Secreted by an insect Coccus ceriferus, we dirt, bark, etc.

itainers: Burlap bags; wooden barrels; multiwall .hod of purification: Filtration. des: Crude

per sacks. s: Paper size; furniture, leather, and shoe polg

es; treating cotton fabrics.

See zinc oxide, See quinic acid. se white.

2. Available in granular (48% tricalcium arse--Cal."" Trademark for low-lime calcium arse ırd: Highly toxic by ingestion. ine. See quinidine.

Trademark for a series of organic cury seed treatments based on methyl mercury

ile. rd: Highly toxic by ingestion.

cipal constituent of the shells of crabs, lobsters, beetles. It is also found in some fungi, algas, A glucosamine polysaccharide. Contains about nitrogen, and is structurally similar to cellulose

uble in the common solvents; soluble in concent d hydrochloric, nitric, and sulfuric acids.

Biological research.

chloral (trichloroacetaldehyde) CCI<sub>3</sub>CHO. Properties: Colorless, mobile, oily liquid; penetrating coor. Sp. gr. 1.505 (25/4°C); m.p. -57.5°C; b.p. 97.7°C; vapor pressure 35 mm (20°C); index of refraction (n 20/D) 1.4557; latent heat of vaporization 97.1 Btu/lb. Soluble in water, alcohol, ether and chloroform; combines with water forming chloral hydrate.

addition of sulfuric acid, and subsequent distillation; Derivation: (a) By the chlorination of ethyl alcohol, (b) by the chlorination of acetaldehyde.

Containers: Drums; glass bottles; tankcars. Grades: Technical, 94% min.

lazard: Highly toxic; strong irritant; ingestion or in-halation may be fatal. MCA warning label. less. Manufacture of DDT; organic synthesis; lini-

Shipping regulations: (ICC, IATA) Poison läbel. lloralamide. See chloral formamide.

iloral formamide (chloralamide; chloramide)

odorless; slightly bitter taste. Soluble in water (hydrolyzes at 60°C), alcohol, ether and glycerol. M.p. 114-115°C; CCIsCHOHNHOCH.
CCIsCHOHNHOCH.
Calorless, lustrous crystals; decomposes at higher temperatures. se: Medicine.

iloral hydrate ("knockout drops"; trichloroacetaldehyde, hydrated; trichloroethylidene glycol)

penetrating, slightly acrid odor and slightly bitter, sharp taste. Slowly volatilizes when exposed to air. also soluble in olive oil and turpentine oil. Sp. gr. [1:901; m.p. 52°C; b.p. 97.5°C. Derivation: Action of 1/5 of its volume of water on properties: Transparent, colorless crystals; aromatic, Soluble in water, alcohol, chloroform, and ether; CCI<sub>3</sub>CH(OH)<sub>2</sub>.

Grades: Technical; U.S.P.

fazard: Highly toxic; dangerous to eyes; hypnotic ses: Medicine (sedative); manufacture of DDT; linirug, overdosage may be fatal.

oral hydrate antipyrine (antipyrine chloral hydrate) hipping regulations: (ICC, CG, IATA) Poison label. roperties: Colorless crystals; moderately soluble LIH 12 N2OCI3CH(OH)2.

ater; soluble in alcohol; m.p. 67°C. lazard: Probably toxic.

se: Medicine (sedative).

Morambucil (4-(para[bis(2-chloroethyl)amino]phenyl) roperties: Off-white powder; m.p. 65-69°C. Slightly putyric acid) (CIC2H,)2NC6H4(CH2)3COOH." A nioluble in water; soluble in acetone and ether.

ses: Medicine; insect sterilant. rade: U.S.P. azard: Highly toxic.

pping regulations (ICC, CG, IATA) Poison label Moramid. See chloral formamide.

C<sub>6</sub>H<sub>5</sub>SO<sub>2</sub>NCINa (sodium benzenesulcess for hydrazine (q.v.)

Chloramine is an intermediate in the Raschig pro-

hol and ether. (Do not confuse with chloramine-T)

See chloro-.

fonchloramine) chloramine-B.

Properties: White powder with faint chlorine odor; soluble in water. chloramine T

(sodium para-toluenesulfonchloramine) CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>NNaCl 3H<sub>2</sub>O. See also dichloramine-

Properties: White or slightly yellow crystals or crystalline powder. Contains not less than 11.5 nor more than 13% active chlorine. Slight odor of chlorine. Decomposes slowly in air, liberating chlorine. (Not to be confused with NH2CI, which is also termed chloramine). Soluble in water; insoluble in benzene,

chloroform, ether, decomposed by alcohol.
Derivation: Reaction of ammonia and paratoluenesulfochloride under pressure. The latter is an alkali and the chloramine produced by crystallireacted with sodium hypochlorite in the presence of

Hazard: Toxic by ingestion. Use: Medicine.

chloramphenicol

NO2CoH,CH(OH)CH(CH2OH(NHCOCHC)2

myces venezuelae or by organic synthesis. It was the D(-)Threo-1-(para-nitrophenyl)-2-dichloroacetamido-1,3-propandiol. An antibiotic derived from Streptofirst substance of natural origin shown to contain an aromatic nitro group.

Properties: Fine, white to grayish-white or yellowishwhite, needlelike crystals or elongated plates. Bitter to taste, neutral to litmus, and reasonably stable in neutral or slightly acid solutions. M.p. [49-153°C; alcoholic solution is dextrorotatory while ethyl acetate solution is levorotatory. Very slightly soluble in water; freely soluble in alcohol, propylene glycol, acctone and ethyl acetate.

Grade: U.S.P. Hazard: Has deleterious and often dangerous side effects. Must conform to FDA labelling requirements; use is closely restricted.

Uses: Medicine (antibiotic); antifungal agent.

Properties: Light yellow, crystalline powder. Freely soluble in water and alcohol. chloramphenicol sodium succinate C15H15Cl2N2NaOs. Grade: U.S.P.

chloranil (tetrachloroquinone; tetrachloro-para-benzo-Use: Medicine. (See note under chloramphenicol).

soluble in alcohol, ether, and benzene; insoluble in quinone) C<sub>6</sub>Cl<sub>1</sub>O<sub>2</sub>. Properties: Yellow leaflets; m.p. 290°C; sp. gr. 1.97;

water; good storage stability. Derivation: From phenol, para-chlorophenol, or paraphenylenediamine by treatment with potassium chlorate and hydrochloric acid.

Uses: Agricultural fungicide; dye intermediate; electrodes for pH measurements; vulcanizing agent. Hazard: Skin irritant. MCA warning label.

chloranthrene yellow. See flavanthrene.

Superior numbers refer to Manufacturers of Trade Mark Products. For page number see Contents.

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